

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110716\
 Data File : BG024734.D
 Acq On : 7 Nov 2016 18:28
 Operator : UM/SJ
 Sample : PB94572BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB94572BS

Quant Time: Nov 08 00:02:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	92829	20.00	ng	-0.01
21) Naphthalene-d8	11.09	136	364081	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	287852	20.00	ng	-0.01
63) Phenanthrene-d10	17.62	188	661253	20.00	ng	0.00
75) Chrysene-d12	21.92	240	926541	20.00	ng	-0.01
86) Perylene-d12	25.34	264	932381	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	705180	124.51	ng	0.00
7) Phenol-d6	7.41	99	1022188	131.57	ng	0.00
23) Nitrobenzene-d5	9.44	82	699365	87.46	ng	-0.01
41) 2,4,6-Tribromophenol	16.37	330	595633	138.51	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	1488402	85.94	ng	-0.01
78) Terphenyl-d14	20.20	244	2716066	87.59	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	77659	33.56	ng	92
3) Pyridine	4.07	79	424381	61.25	ng	88
4) n-Nitrosodimethylamine	3.98	42	144764	40.36	ng	96
6) Aniline	7.58	93	50628	5.14	ng	# 88
8) 2-Chlorophenol	7.82	128	236839	41.13	ng	94
9) Benzaldehyde	7.39	77	40872	8.51	ng	91
10) Phenol	7.43	94	351737	43.92	ng	97
11) bis(2-Chloroethyl)ether	7.67	93	242289	40.27	ng	93
12) 1,3-Dichlorobenzene	8.15	146	263175	36.92	ng	93
13) 1,4-Dichlorobenzene	8.30	146	283929	40.32	ng	94
14) 1,2-Dichlorobenzene	8.62	146	267629	39.53	ng	97
15) Benzyl Alcohol	8.49	79	293590	40.62	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.79	45	400346	35.86	ng	91
17) 2-Methylphenol	8.69	107	222087	41.85	ng	97
18) Hexachloroethane	9.35	117	105644	39.03	ng	95
19) n-Nitroso-di-n-propylamine	9.06	70	236764	41.35	ng	98
20) 3+4-Methylphenols	9.02	107	300590	42.19	ng	96
22) Acetophenone	9.09	105	389209	41.62	ng	92
24) Nitrobenzene	9.48	77	344533	38.73	ng	97
25) Isophorone	10.00	82	663483	44.61	ng	99
26) 2-Nitrophenol	10.19	139	135202	40.95	ng	94
27) 2,4-Dimethylphenol	10.23	122	254449	44.02	ng	96
28) bis(2-Chloroethoxy)methane	10.47	93	336951	43.78	ng	97
29) 2,4-Dichlorophenol	10.72	162	276473	45.57	ng	93
30) 1,2,4-Trichlorobenzene	10.94	180	290333	40.34	ng	98
31) Naphthalene	11.14	128	730451	40.22	ng	98
32) Benzoic acid	10.35	122	154500	32.09	ng	91
33) 4-Chloroaniline	11.25	127	25579	3.24	ng	# 87
34) Hexachlorobutadiene	11.41	225	231444	41.09	ng	95
35) Caprolactam	12.02	113	110625	49.80	ng	# 88
36) 4-Chloro-3-methylphenol	12.34	107	313948	42.86	ng	99
37) 2-Methylnaphthalene	12.72	142	546452	41.24	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.08	216	382521	39.40	ng	97
40) Hexachlorocyclopentadiene	13.05	237	482728	88.29	ng	98

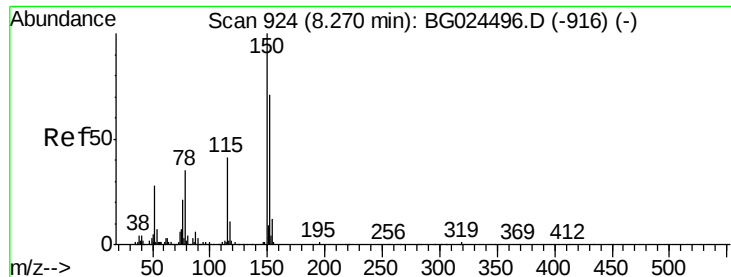
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110716\
 Data File : BG024734.D
 Acq On : 7 Nov 2016 18:28
 Operator : UM/SJ
 Sample : PB94572BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB94572BS

Quant Time: Nov 08 00:02:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	248131	42.52	ng	96
43) 2,4,5-Trichlorophenol	13.39	196	266923	42.31	ng	93
45) 1,1'-Biphenyl	13.72	154	784468	39.27	ng	97
46) 2-Chloronaphthalene	13.76	162	615211	40.45	ng	98
47) 2-Nitroaniline	13.96	65	233845	37.55	ng	98
48) Acenaphthylene	14.61	152	919934	39.44	ng	98
49) Dimethylphthalate	14.32	163	848203	41.51	ng	98
50) 2,6-Dinitrotoluene	14.45	165	186248	42.69	ng	91
51) Acenaphthene	14.94	154	619381	35.62	ng	97
52) 3-Nitroaniline	14.79	138	17067	3.78	ng	# 83
53) 2,4-Dinitrophenol	14.98	184	266709	84.37	ng	98
54) Dibenzofuran	15.27	168	1004591	41.79	ng	96
55) 4-Nitrophenol	15.08	139	318704	81.03	ng	93
56) 2,4-Dinitrotoluene	15.23	165	268319	42.33	ng	# 96
57) Fluorene	15.92	166	824387	41.35	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.50	232	299663	45.81	ng	# 90
59) Diethylphthalate	15.67	149	884915	41.30	ng	99
60) 4-Chlorophenyl-phenylether	15.90	204	461251	41.23	ng	99
61) 4-Nitroaniline	15.94	138	134666	27.31	ng	89
62) Azobenzene	16.19	77	889696	41.64	ng	95
64) 4,6-Dinitro-2-methylphenol	15.99	198	201148	44.15	ng	98
65) n-Nitrosodiphenylamine	16.12	169	729613	40.36	ng	100
66) 4-Bromophenyl-phenylether	16.80	248	341259	42.51	ng	99
67) Hexachlorobenzene	16.92	284	373063	42.06	ng	# 85
68) Atrazine	17.06	200	350556	45.21	ng	97
69) Pentachlorophenol	17.26	266	498432	85.16	ng	99
70) Phenanthrene	17.66	178	1393562	41.35	ng	98
71) Anthracene	17.75	178	1405337	41.33	ng	99
72) Carbazole	18.02	167	1257654	40.55	ng	97
73) Di-n-butylphthalate	18.55	149	1506221	42.12	ng	97
74) Fluoranthene	19.66	202	1852507	43.48	ng	96
77) Pyrene	20.02	202	1885401	41.63	ng	100
79) Butylbenzylphthalate	20.88	149	607894	32.19	ng	95
80) Benzo(a)anthracene	21.89	228	2079971	40.86	ng	98
82) Chrysene	21.96	228	1940798	40.03	ng	99
83) Bis(2-ethylhexyl)phthalate	21.75	149	1085944	40.20	ng	98
84) Di-n-octyl phthalate	23.03	149	1853052	41.34	ng	# 93
85) Indeno(1,2,3-cd)pyrene	29.27	276	2648990	39.59	ng	99
87) Benzo(b)fluoranthene	24.24	252	2157532	42.81	ng	# 97
88) Benzo(k)fluoranthene	24.32	252	2073243	42.60	ng	# 96
89) Benzo(a)pyrene	25.18	252	2022917	41.08	ng	# 97
90) Dibenzo(a,h)anthracene	29.34	278	2205272	40.80	ng	96
91) Benzo(g,h,i)perylene	30.53	276	2167461	40.14	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 922

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

Instrument :

BNA_G

ClientSampleId :

PB94572BS

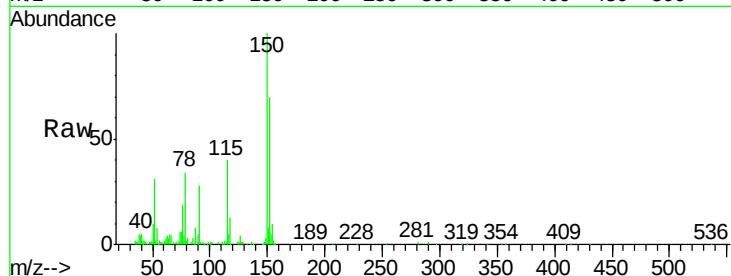
Tgt Ion:152 Resp: 92829

Ion Ratio Lower Upper

152 100

150 142.9 114.0 171.0

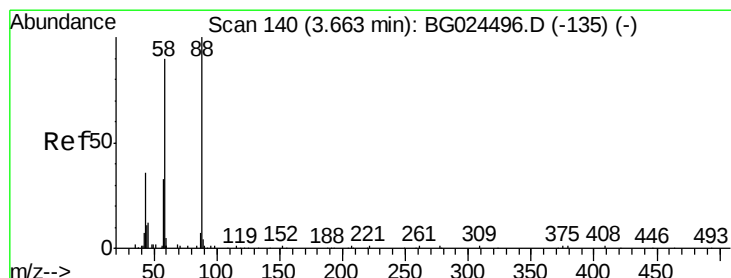
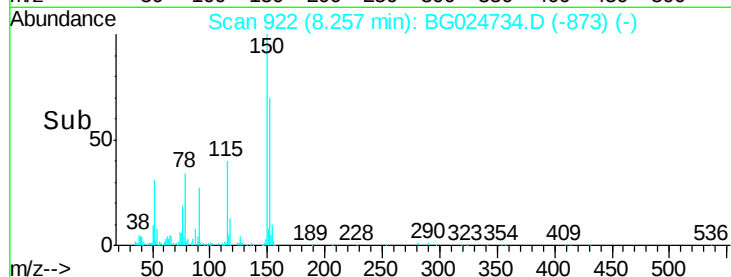
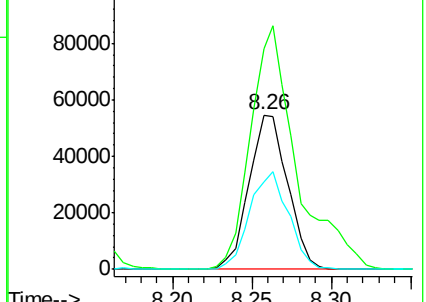
115 56.9 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 33.56 ng

RT: 3.66 min Scan# 139

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

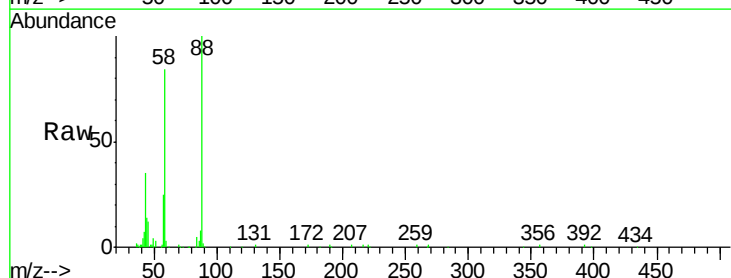
Tgt Ion: 88 Resp: 77659

Ion Ratio Lower Upper

88 100

58 88.0 79.4 119.2

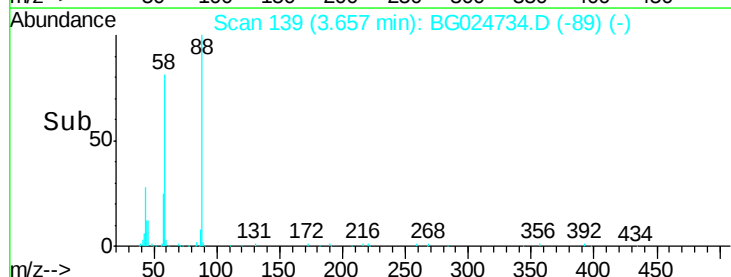
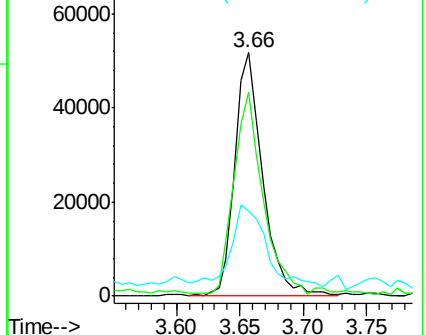
43 42.8 33.8 50.6

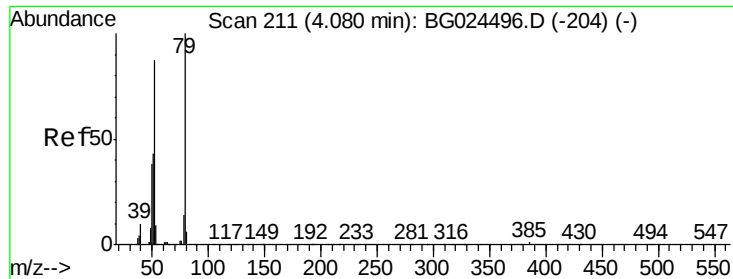


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 61.25 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

Instrument :

BNA_G

ClientSampleId :

PB94572BS

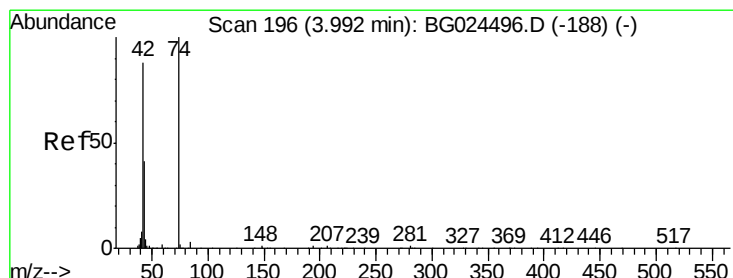
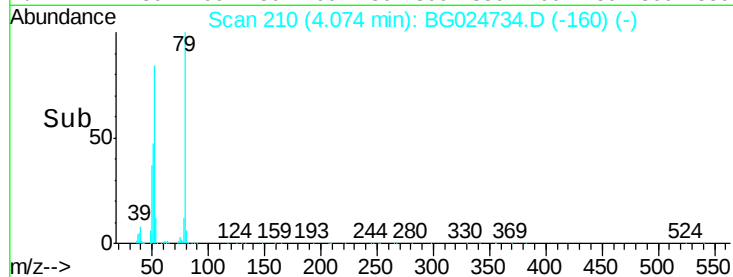
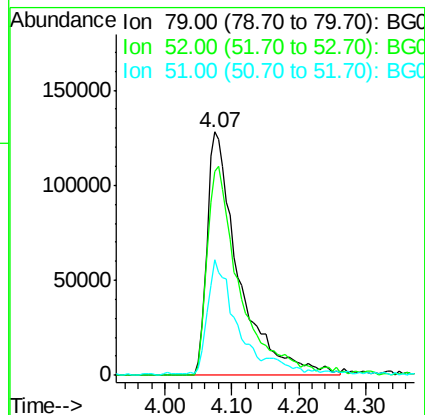
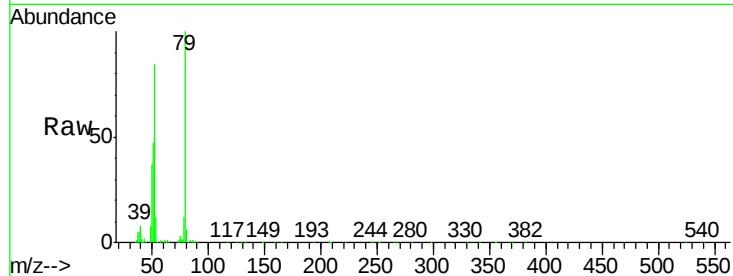
Tgt Ion: 79 Resp: 424381

Ion Ratio Lower Upper

79 100

52 83.7 77.8 116.6

51 47.3 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 40.36 ng

RT: 3.98 min Scan# 194

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

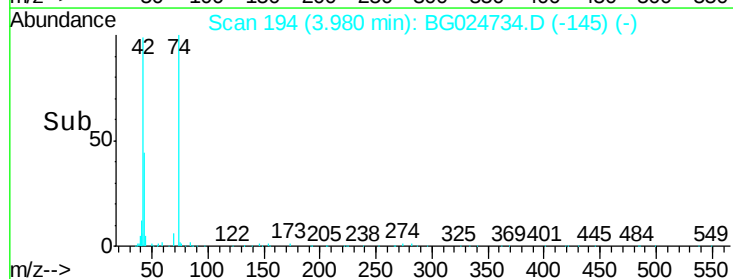
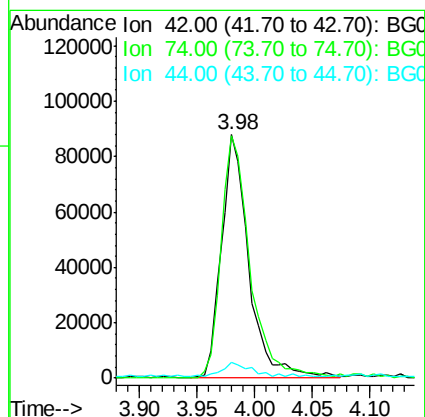
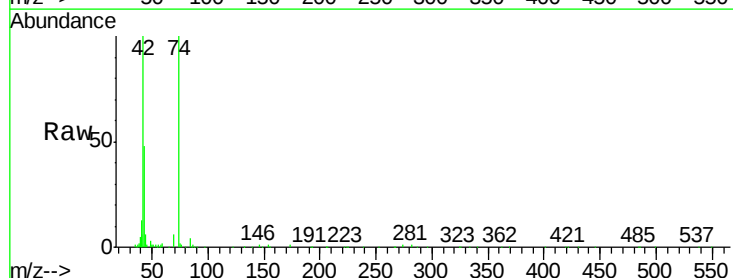
Tgt Ion: 42 Resp: 144764

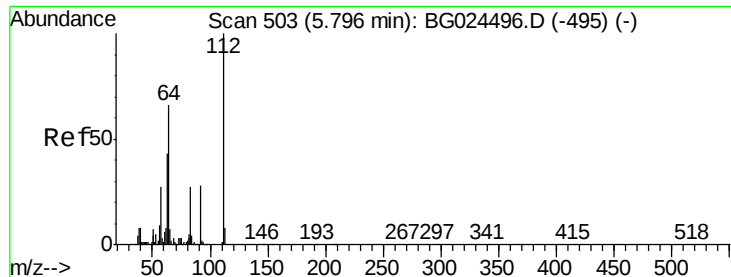
Ion Ratio Lower Upper

42 100

74 99.7 76.7 115.1

44 6.3 6.1 9.1





#5

2-Fluorophenol

Concen: 124.51 ng

RT: 5.80 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

Instrument :

BNA_G

ClientSampleId :

PB94572BS

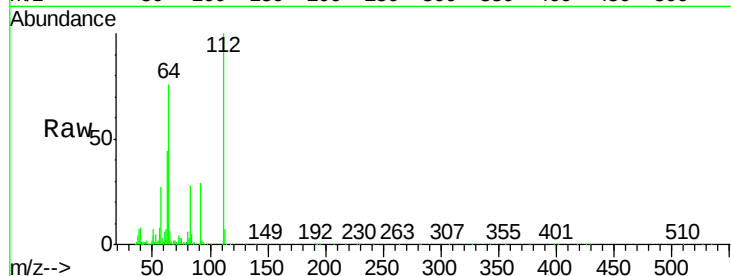
Tgt Ion: 112 Resp: 705180

Ion Ratio Lower Upper

112 100

64 75.9 61.8 92.6

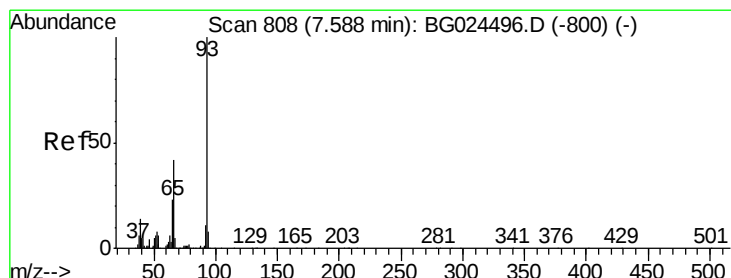
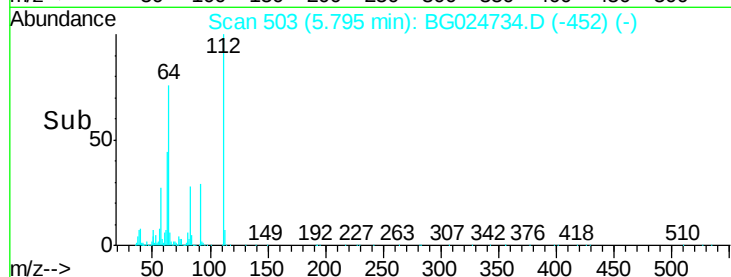
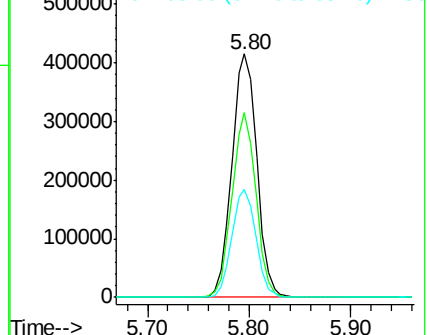
63 44.1 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 5.14 ng

RT: 7.58 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

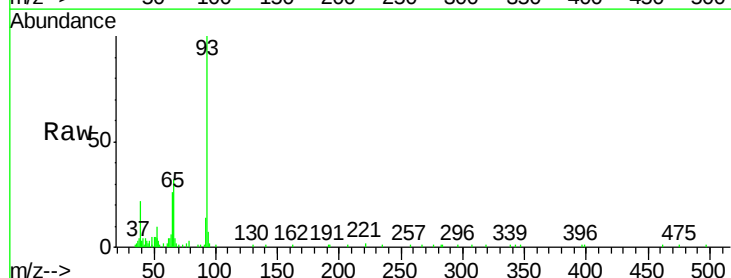
Tgt Ion: 93 Resp: 50628

Ion Ratio Lower Upper

93 100

66 32.2 35.4 53.2#

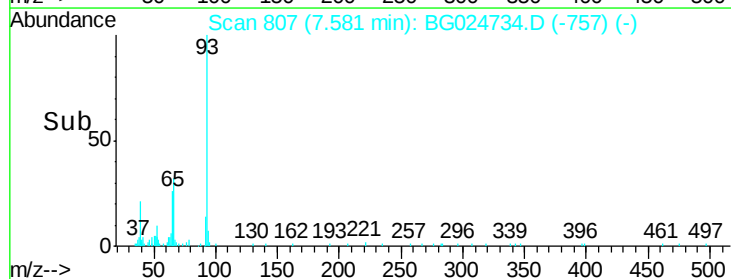
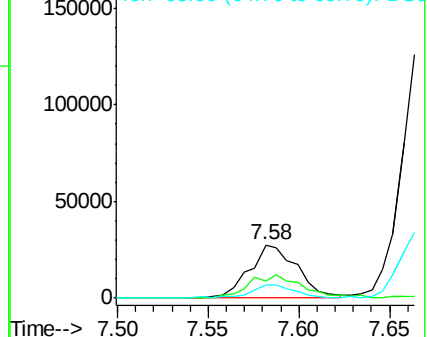
65 25.7 21.2 31.8

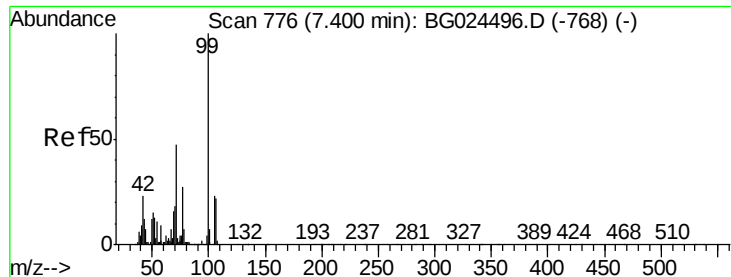


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 131.57 ng

RT: 7.41 min Scan# 777

Delta R.T. 0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

Instrument :

BNA_G

ClientSampleId :

PB94572BS

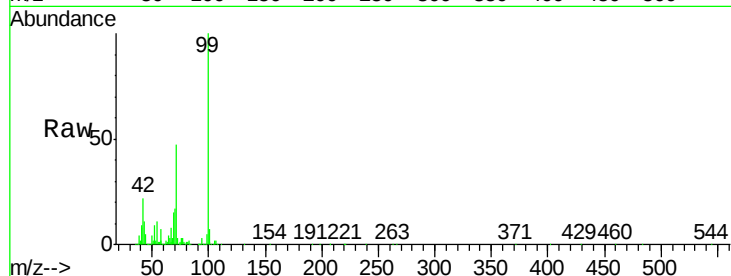
Tgt Ion: 99 Resp: 1022188

Ion Ratio Lower Upper

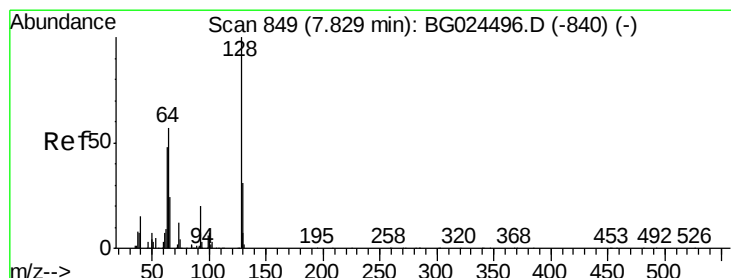
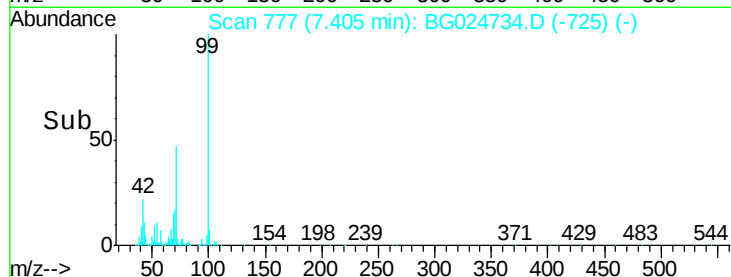
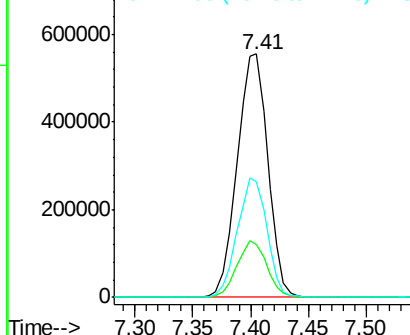
99 100

42 21.6 20.5 30.7

71 47.4 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 41.13 ng

RT: 7.82 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

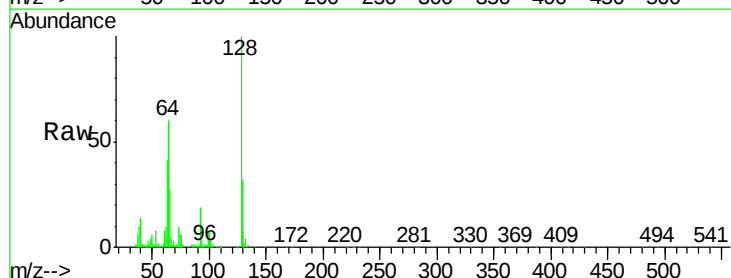
Tgt Ion: 128 Resp: 236839

Ion Ratio Lower Upper

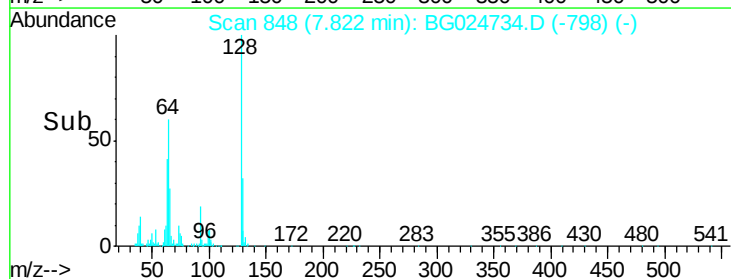
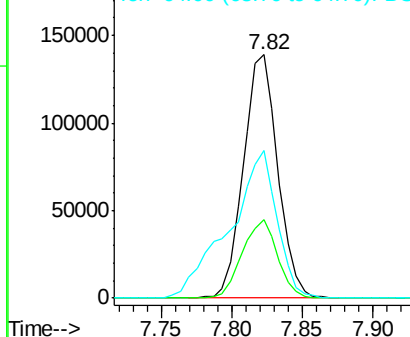
128 100

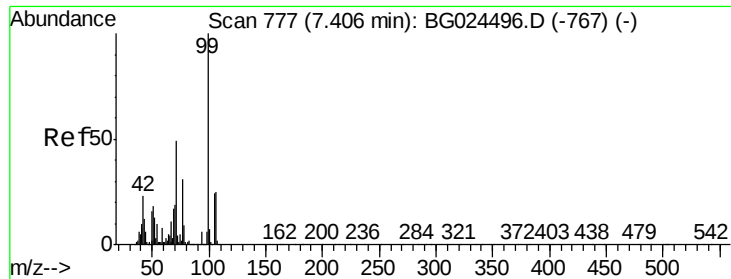
130 32.0 11.4 51.4

64 60.4 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 8.51 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

Instrument :

BNA_G

ClientSampleId :

PB94572BS

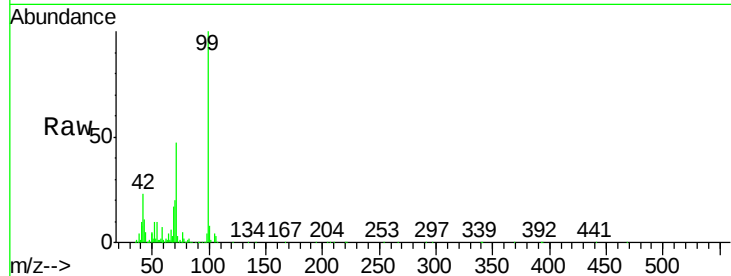
Tgt Ion: 77 Resp: 40872

Ion Ratio Lower Upper

77 100

105 71.9 60.9 100.9

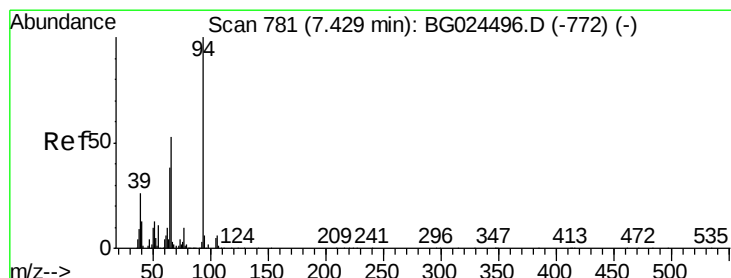
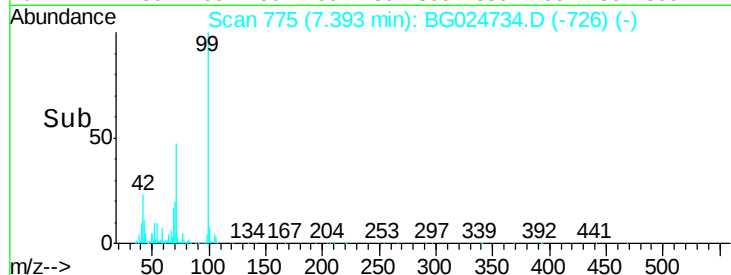
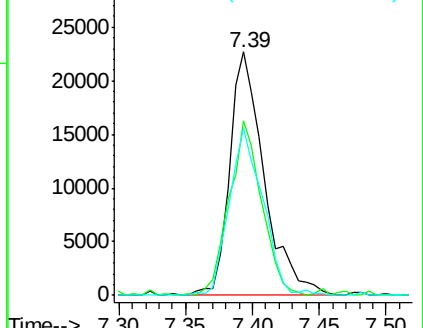
106 68.6 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.92 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.00 min

Lab File: BG024734.D

Acq: 7 Nov 2016 18:28

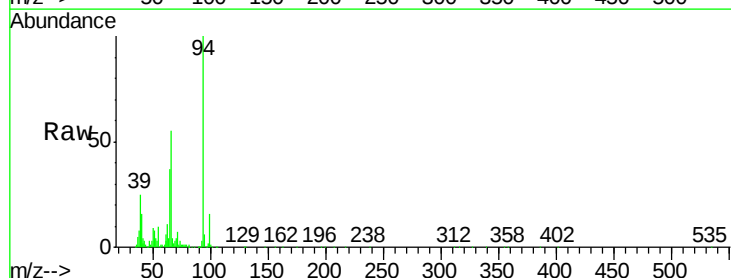
Tgt Ion: 94 Resp: 351737

Ion Ratio Lower Upper

94 100

65 37.4 20.6 60.6

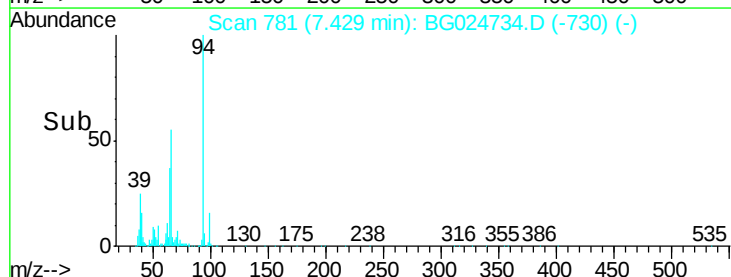
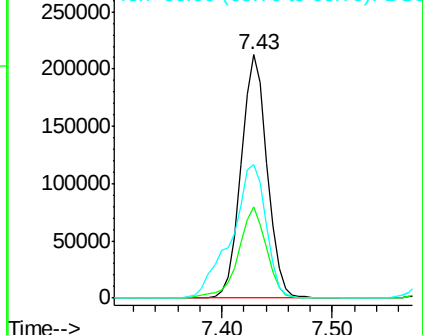
66 55.0 35.5 75.5

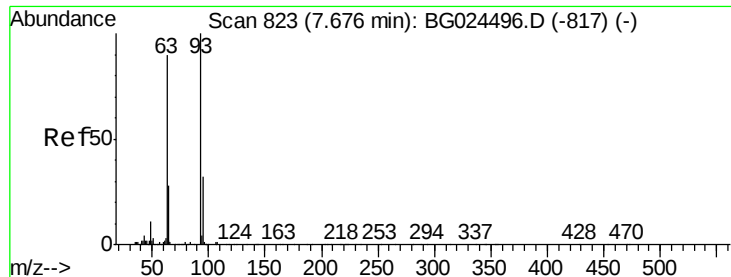


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

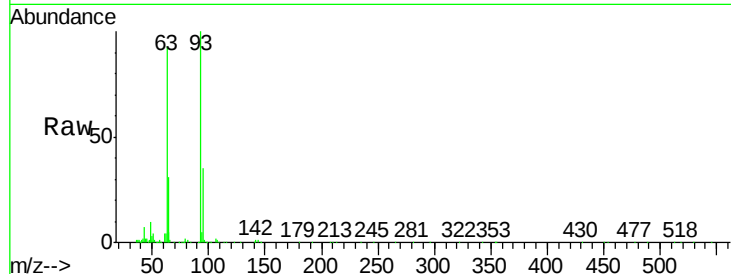




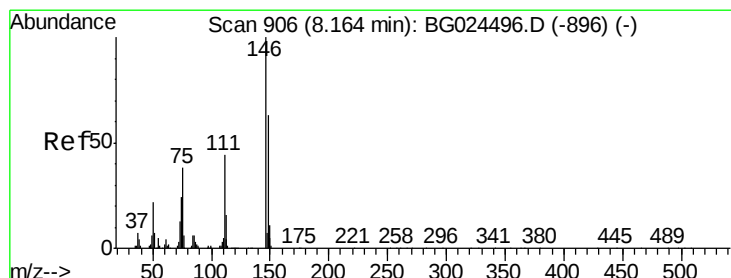
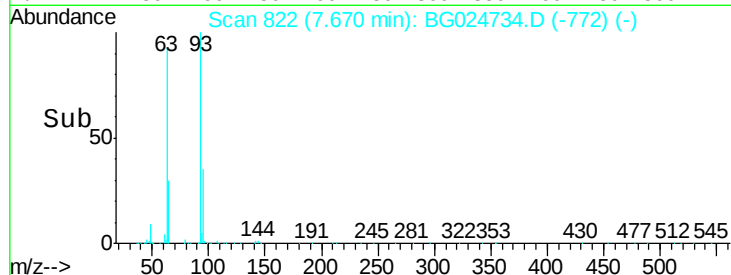
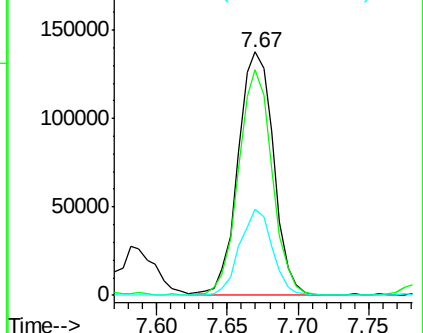
#11
bis(2-Chloroethyl)ether
Concen: 40.27 ng
RT: 7.67 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Instrument :
BNA_G
ClientSampleId :
PB94572BS

Tgt Ion	Ratio	Lower	Upper
93	100		
63	92.7	78.5	118.5
95	35.2	9.8	49.8

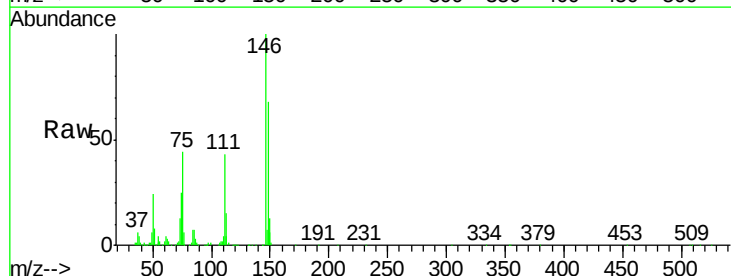


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

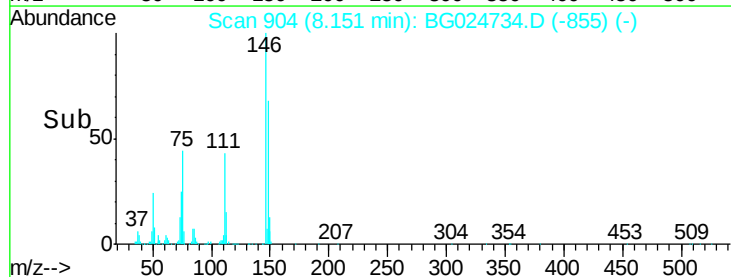
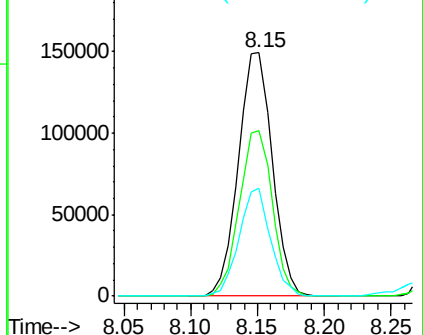


#12
1,3-Dichlorobenzene
Concen: 36.92 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.0	49.2	73.8
75	44.2	33.4	50.2



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

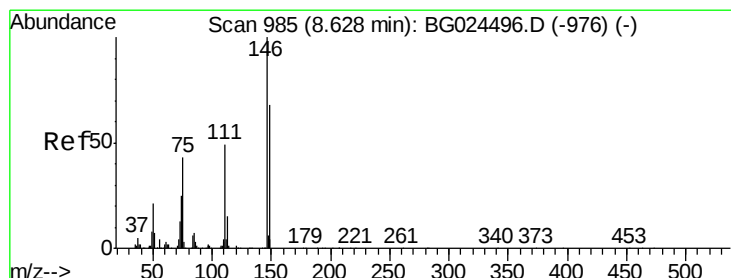
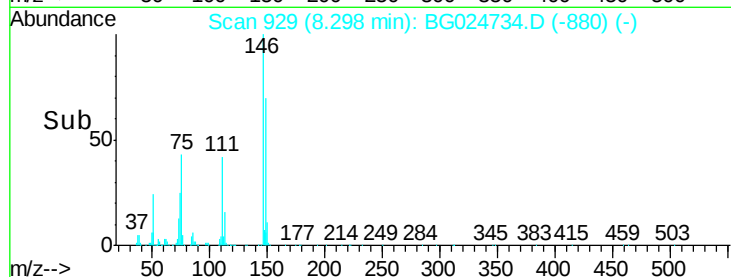
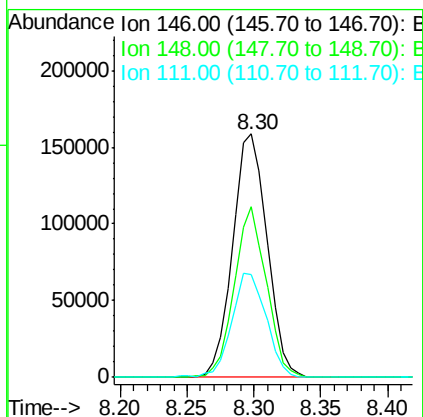
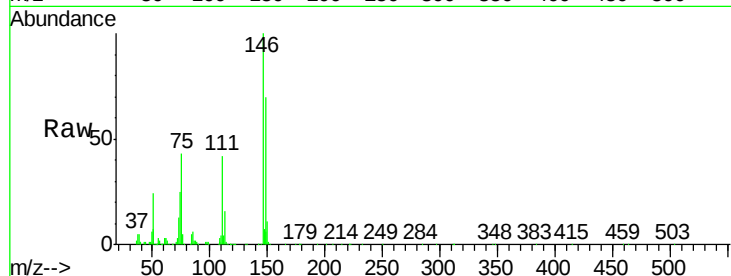




#13
 1,4-Dichlorobenzene
 Concen: 40.32 ng
 RT: 8.30 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BG024734.D
 Acq: 7 Nov 2016 18:28

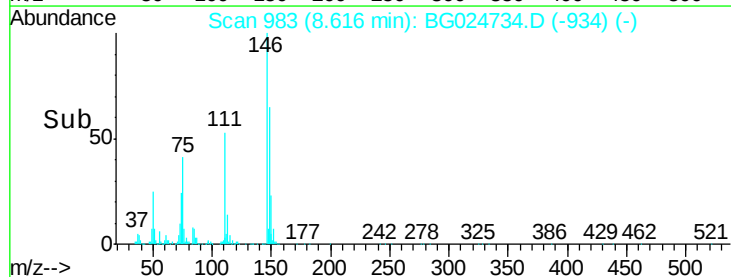
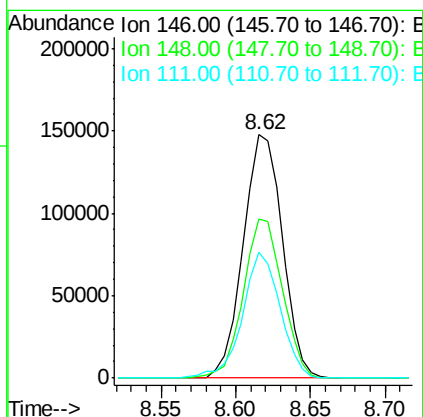
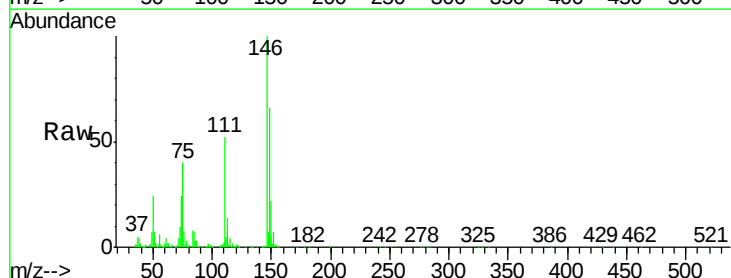
Instrument :
 BNA_G
 ClientSampleId :
 PB94572BS

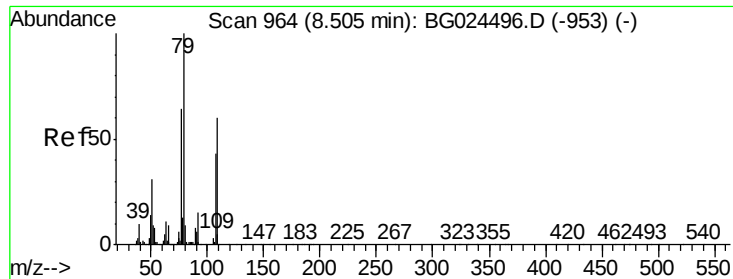
Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.2	52.2	78.2
111	42.5	37.0	55.6



#14
 1,2-Dichlorobenzene
 Concen: 39.53 ng
 RT: 8.62 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BG024734.D
 Acq: 7 Nov 2016 18:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	54.6	81.8
111	51.6	39.7	59.5

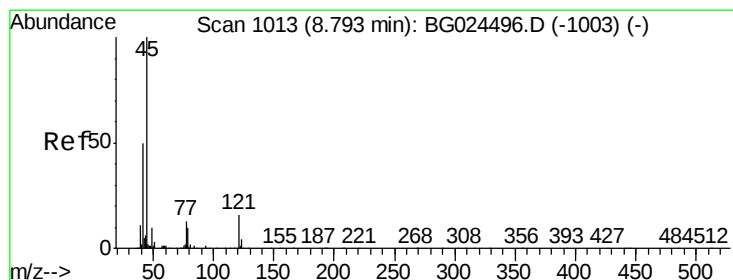
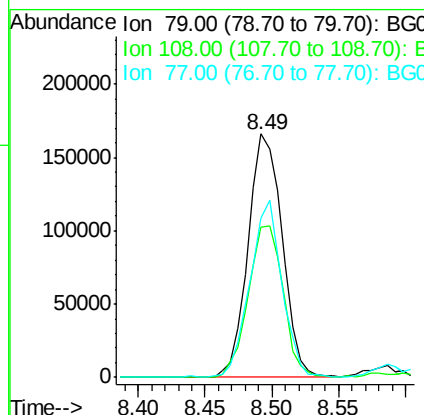
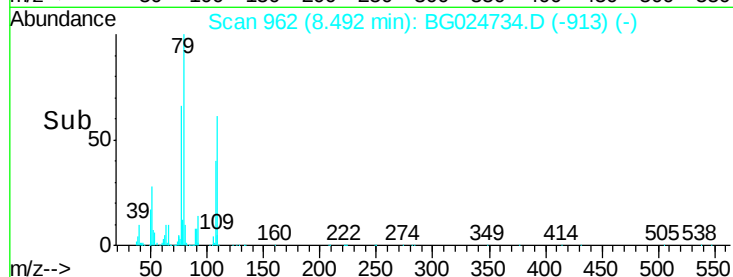
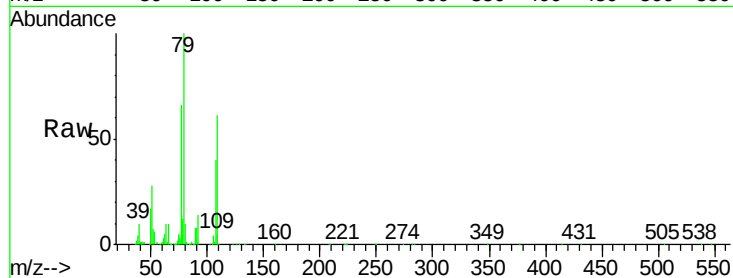




#15
Benzyl Alcohol
Concen: 40.62 ng
RT: 8.49 min Scan# 962
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

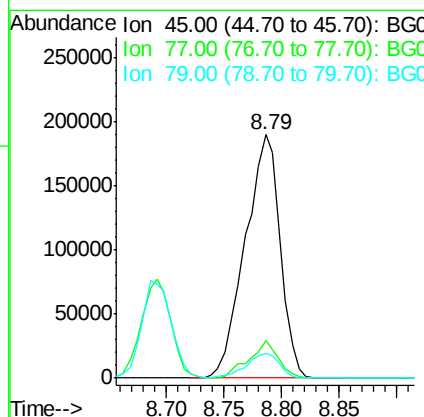
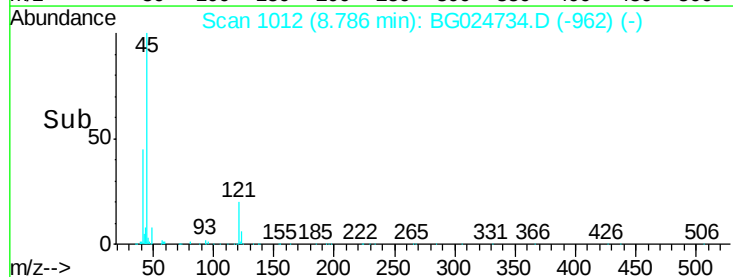
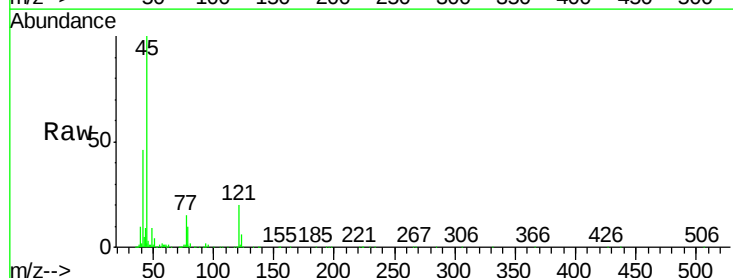
Instrument :
BNA_G
ClientSampleId :
PB94572BS

Tgt Ion	Ratio	Lower	Upper
79	100		
108	61.5	45.5	68.3
77	65.6	54.3	81.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.86 ng
RT: 8.79 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	30.6
79	10.2	0.0	28.5

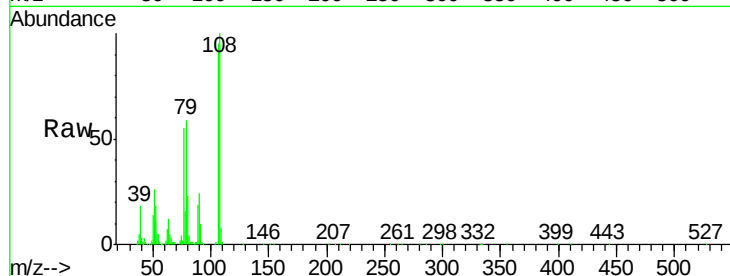




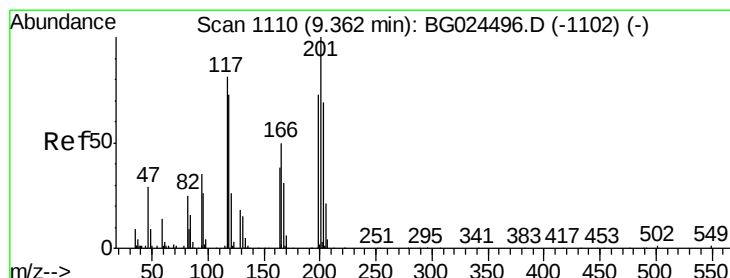
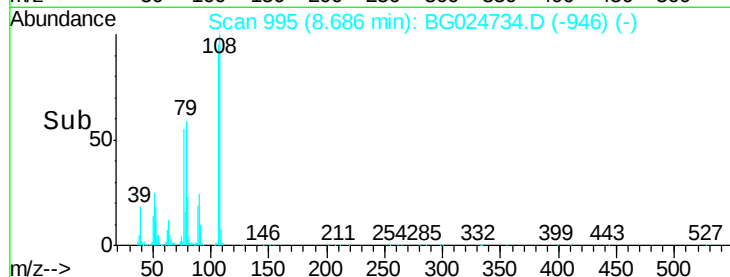
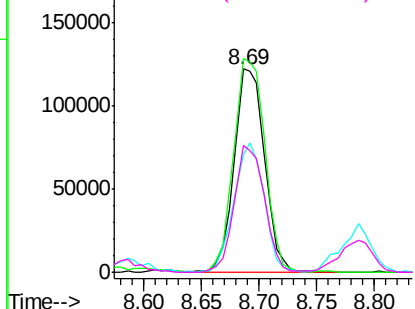
#17
2-Methylphenol
Concen: 41.85 ng
RT: 8.69 min Scan# 995
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Instrument :
BNA_G
ClientSampleId :
PB94572BS

Tgt Ion:	107	Resp:	222087
Ion	Ratio	Lower	Upper
107	100		
108	105.1	85.6	128.4
77	58.1	51.4	77.2
79	62.5	49.2	73.8

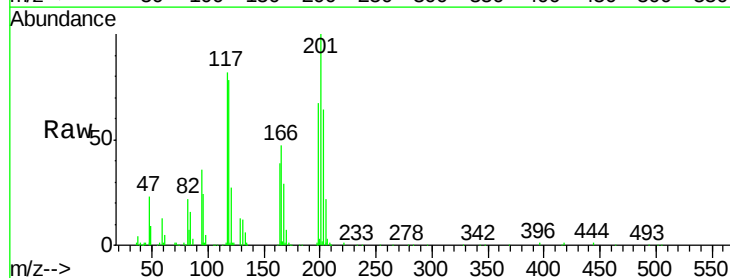


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

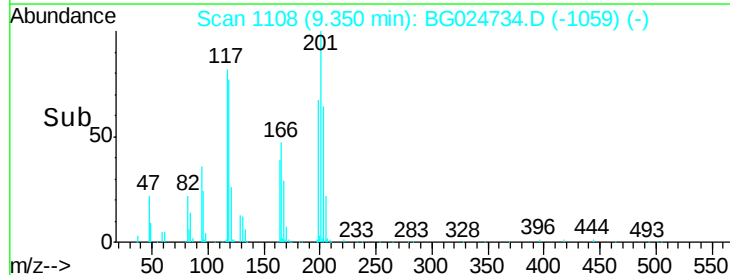
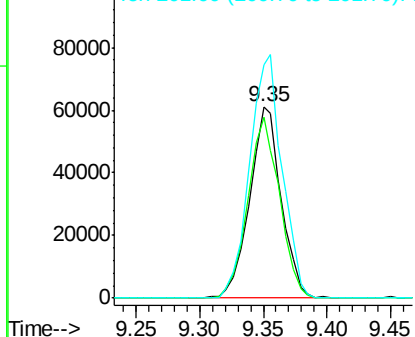


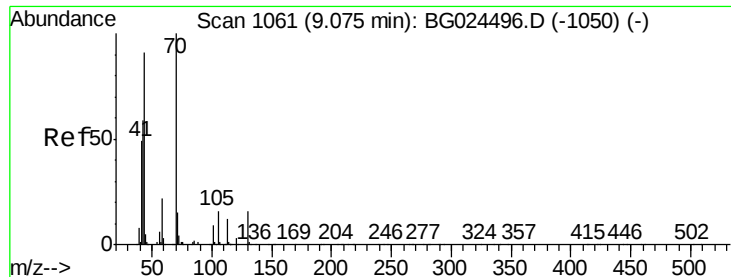
#18
Hexachloroethane
Concen: 39.03 ng
RT: 9.35 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Tgt Ion:	117	Resp:	105644
Ion	Ratio	Lower	Upper
117	100		
119	94.8	69.8	104.6
201	122.0	95.4	143.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

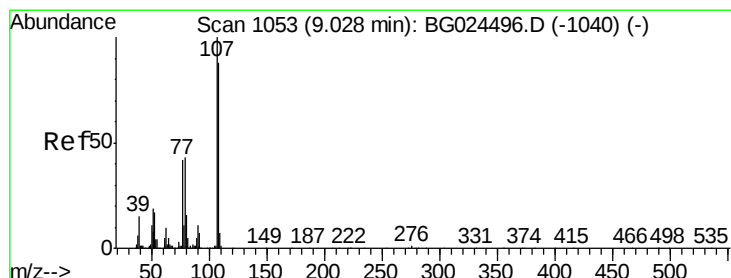
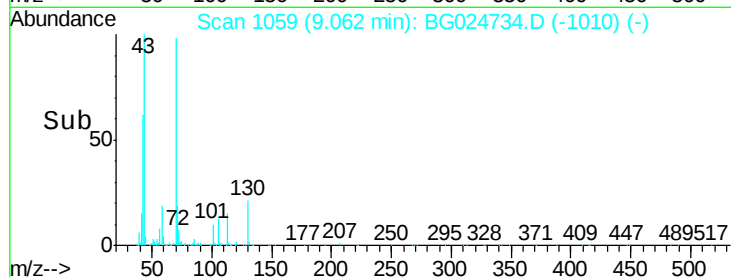
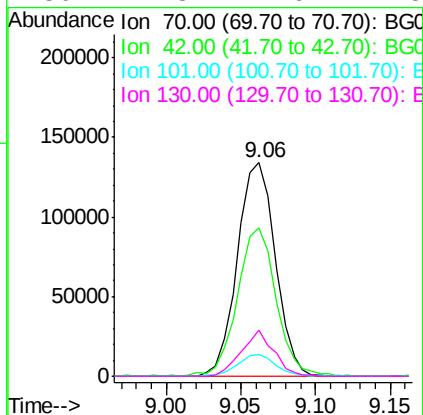
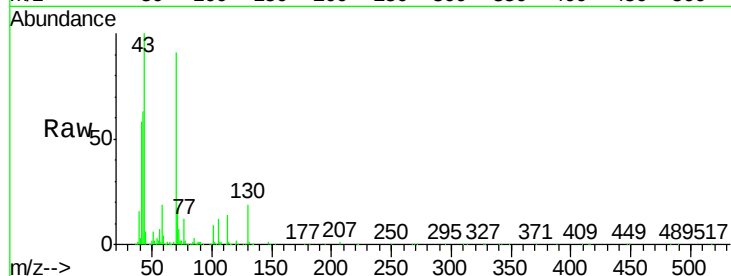




#19
n-Nitroso-di-n-propylamine
Concen: 41.35 ng
RT: 9.06 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

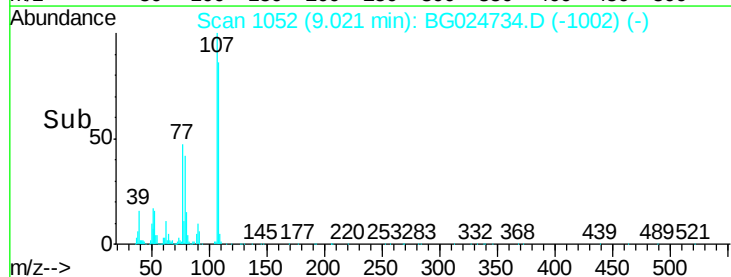
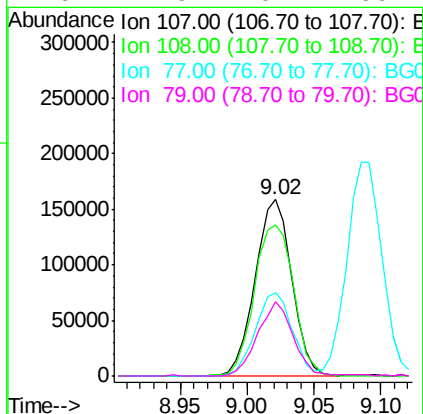
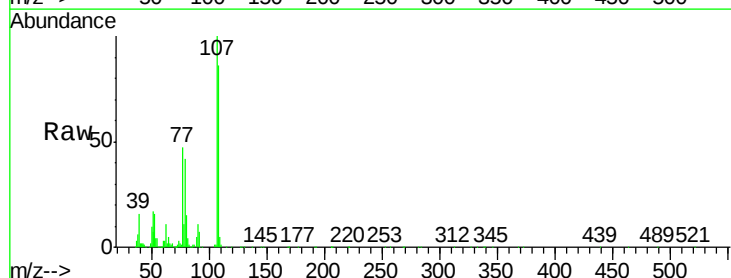
Instrument :
BNA_G
ClientSampleId :
PB94572BS

Tgt Ion:	70	Resp:	236764
Ion	Ratio	Lower	Upper
70	100		
42	69.3	56.1	84.1
101	10.0	7.5	11.3
130	21.3	14.6	21.8



#20
3+4-Methylphenols
Concen: 42.19 ng
RT: 9.02 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Tgt Ion:	107	Resp:	300590
Ion	Ratio	Lower	Upper
107	100		
108	86.0	70.8	110.8
77	47.3	25.8	65.8
79	41.9	20.1	60.1

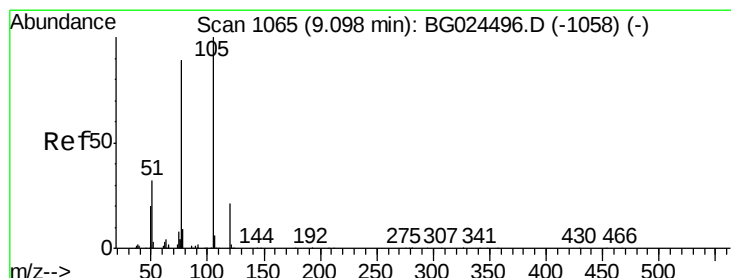
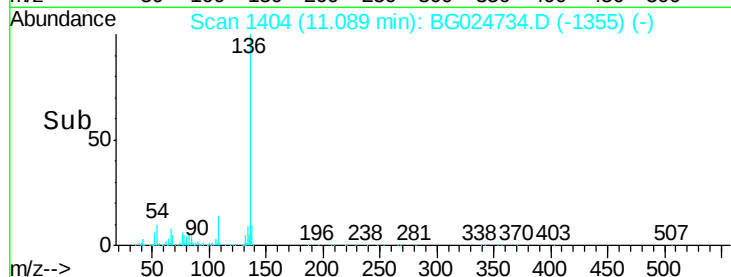
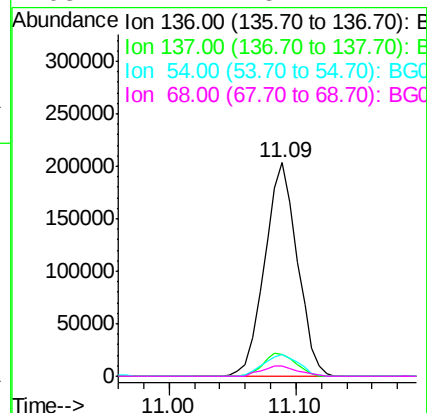
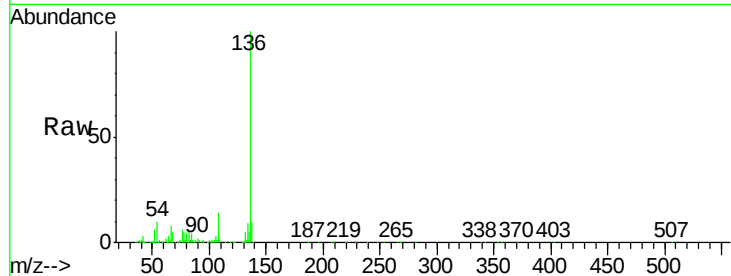




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Instrument :
BNA_G
ClientSampleId :
PB94572BS

Tgt Ion:	136	Resp:	364081
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	10.3	9.3	13.9
68	4.7	5.1	7.7#



#22
Acetophenone
Concen: 41.62 ng
RT: 9.09 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG024734.D
Acq: 7 Nov 2016 18:28

Tgt Ion:	105	Resp:	389209
Ion	Ratio	Lower	Upper
105	100		
71	1.0	0.9	1.3
51	35.2	34.0	51.0
120	20.4	17.3	25.9

